FIG. 1

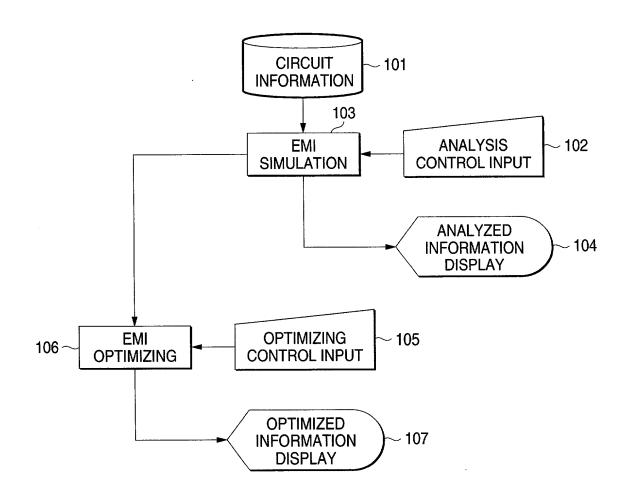


FIG. 2

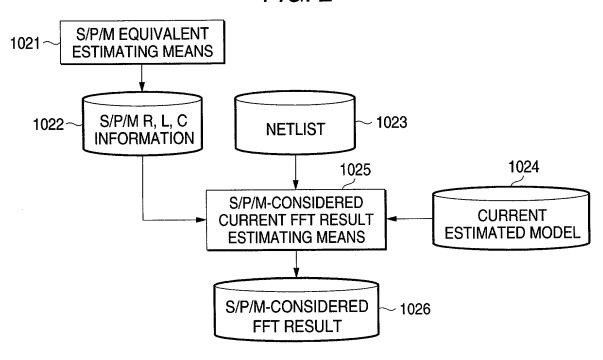


FIG. 3

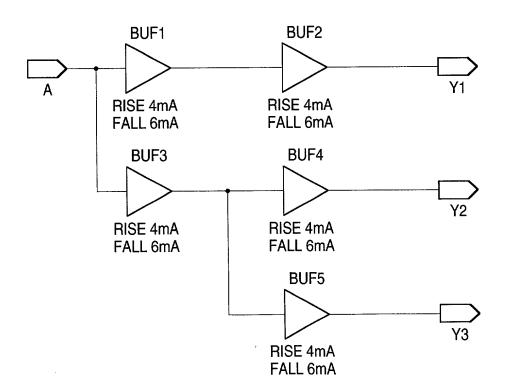


FIG. 4

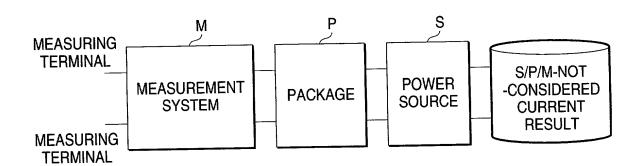


FIG. 5

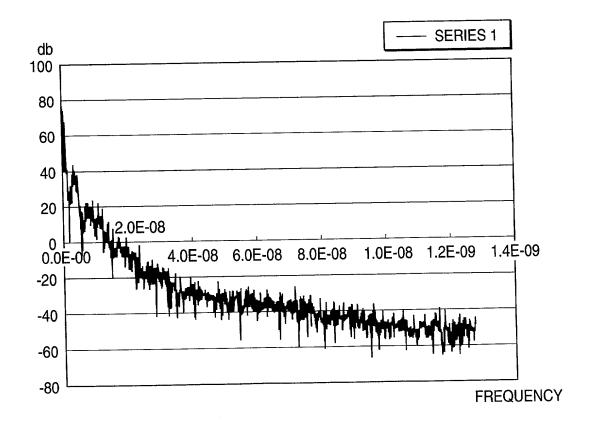


FIG. 6 (a)

FIG. 6 (b)

LOGICAL CHANGE

FIG. 6 (c)

ESTIMATED POWER SOURCE CURRENT AT SMALL DECOUPLING CAPACITANCE

FIG. 6 (d)

ESTIMATED POWER SOURCE CURRENT AT LARGE DECOUPLING CAPACITANCE

FIG. 7 (a)

FIG. 7 (b)

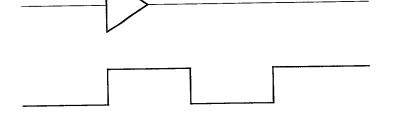
LOGICAL CHANGE

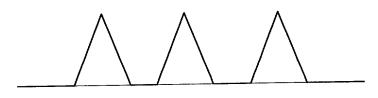
FIG. 7 (c)

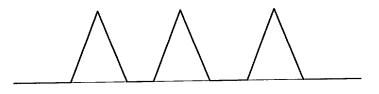
ESTIMATED POWER SOURCE CURRENT AT SMALL DECOUPLING CAPACITANCE

FIG. 7 (d)

ESTIMATED POWER SOURCE CURRENT AT LARGE DECOUPLING CAPACITANCE







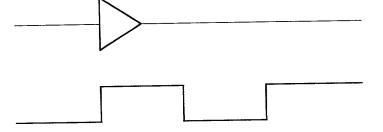






FIG. 8

TIMING [ns]	POWER SOURCE CURRENT VALUE [mA]
(0)	0
95	20
100	50
105	20
195	30
200	70
205	30
295	20
300	50
305	20
395	30
400	70
405	30
495	20
500	30
505	20
801	802

FIG. 9

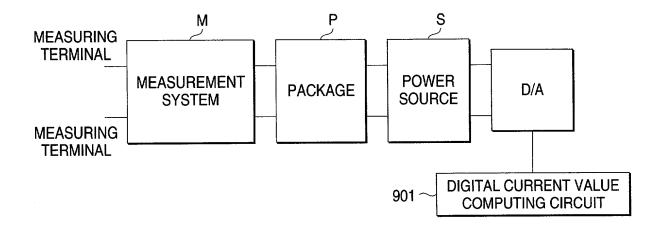


FIG. 10

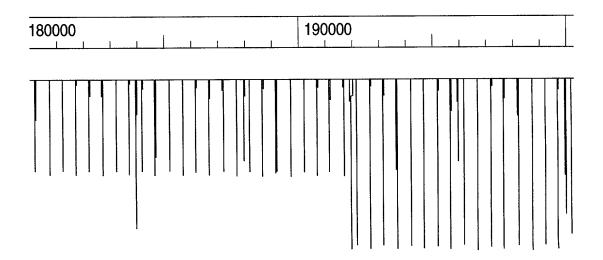


FIG. 11

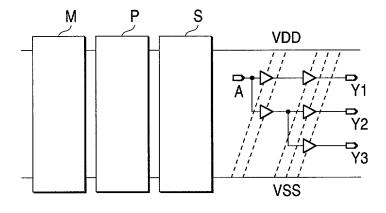


FIG. 12

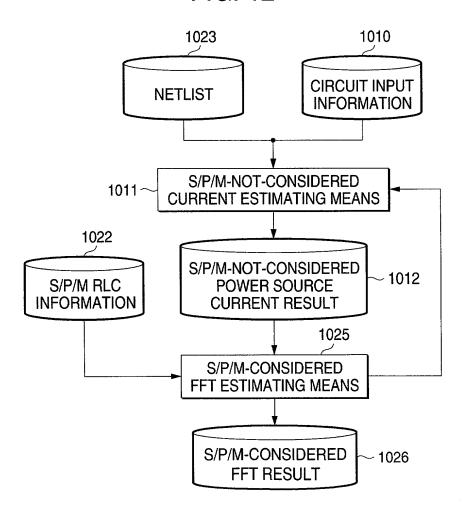


FIG. 13

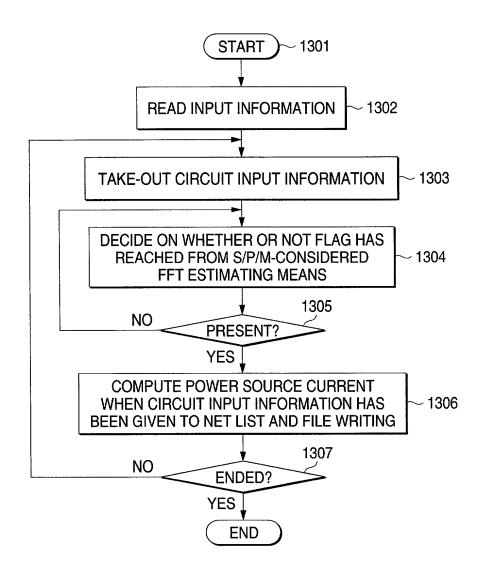


FIG. 14

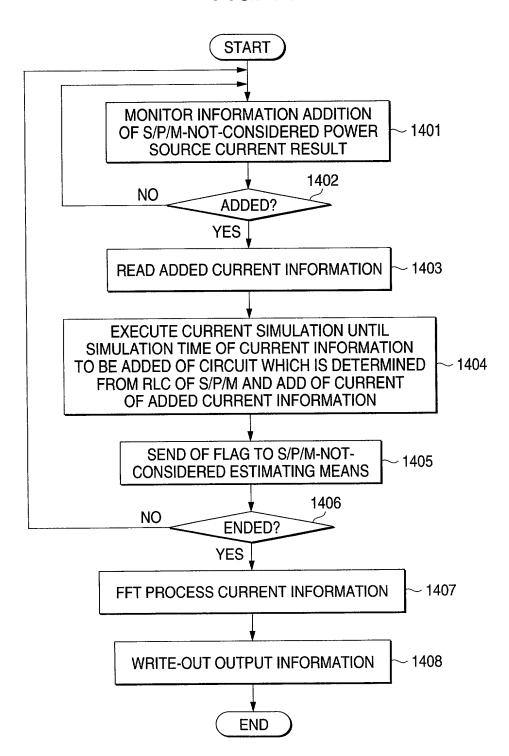


FIG. 15

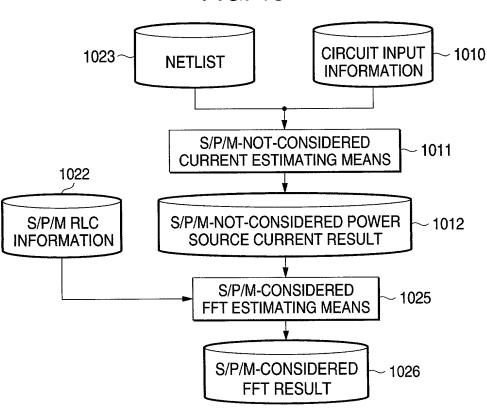


FIG. 16

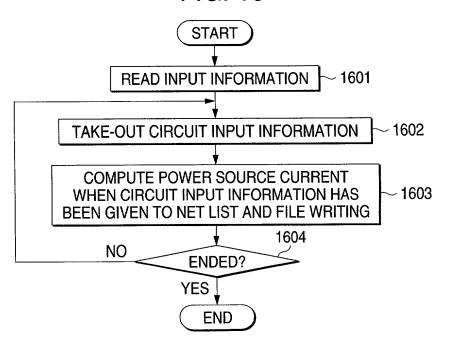


FIG. 17

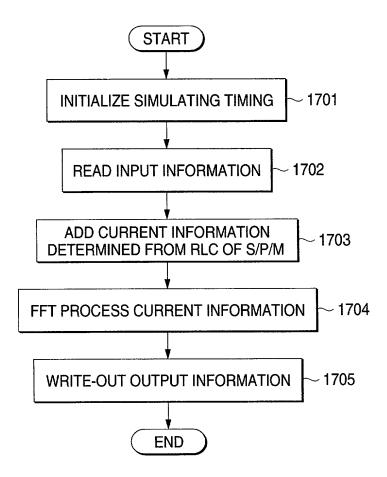


FIG. 18

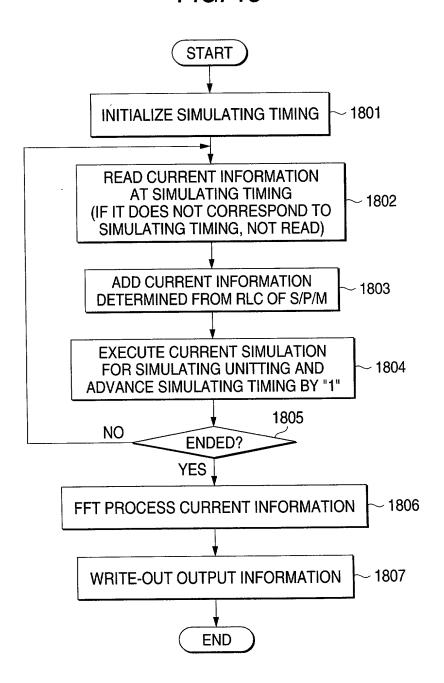


FIG. 19

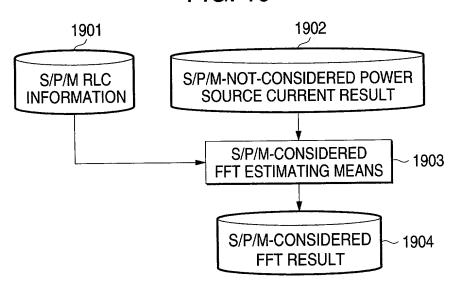
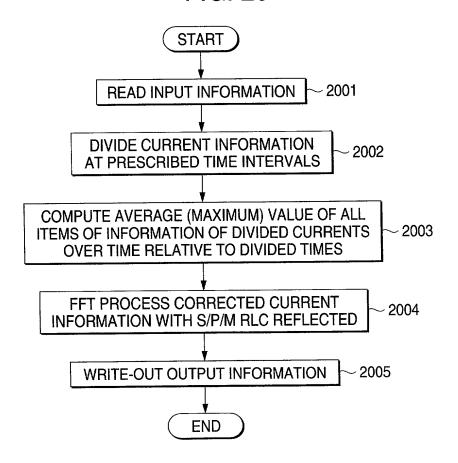


FIG. 20





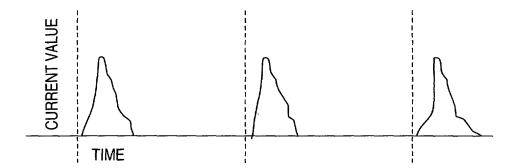


FIG. 22

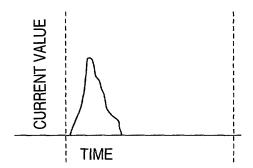


FIG. 23

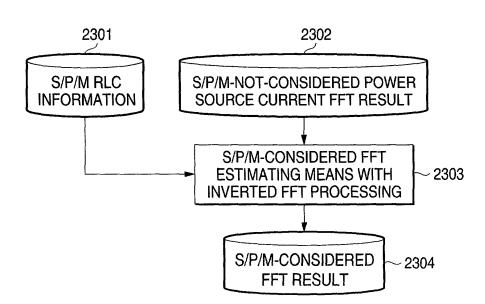


FIG. 24

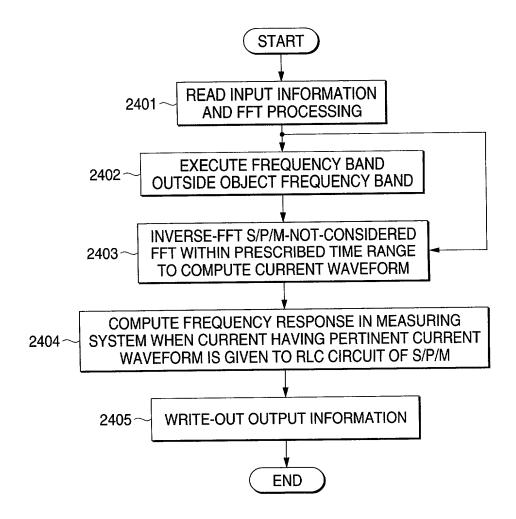


FIG. 25

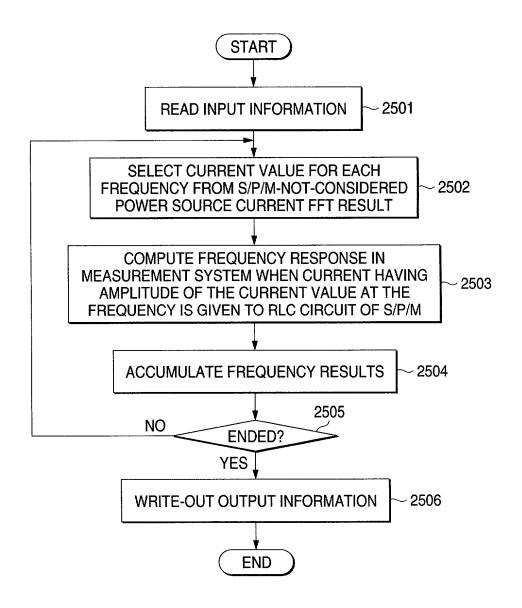


FIG. 26

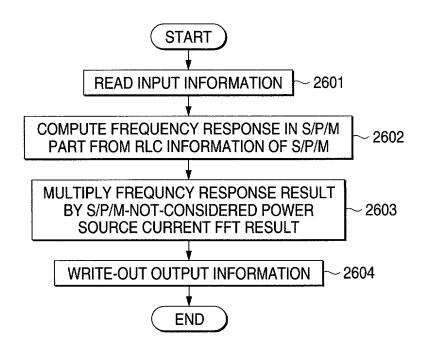


FIG. 27

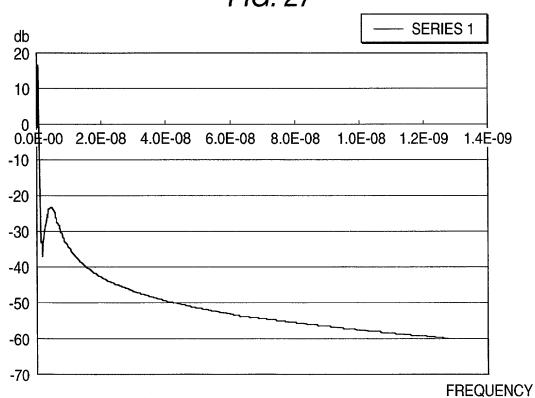
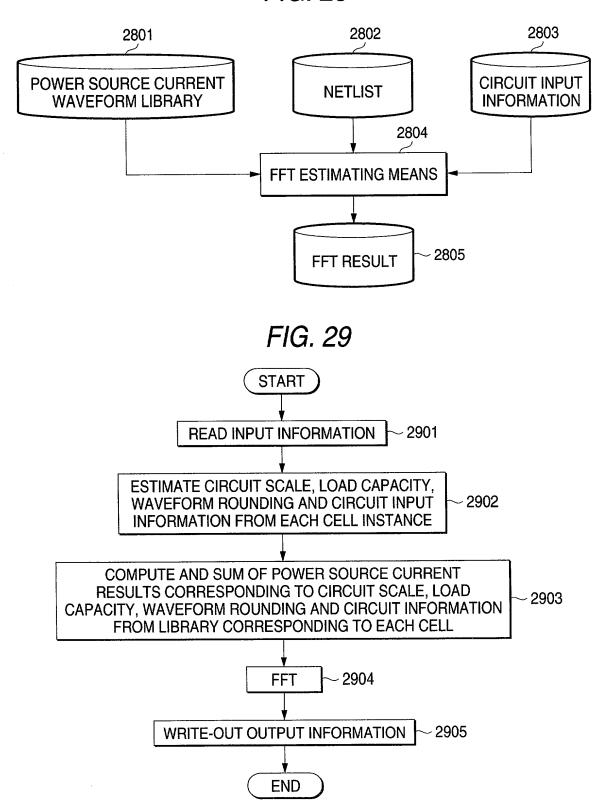


FIG. 28



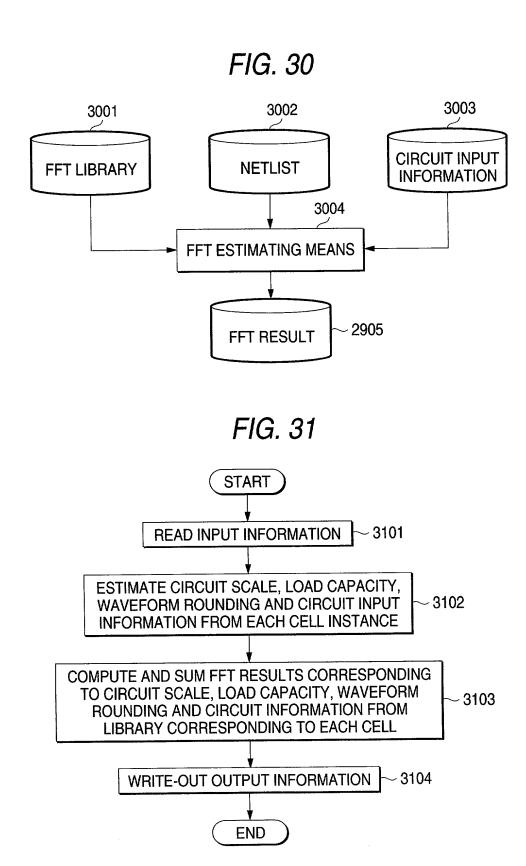
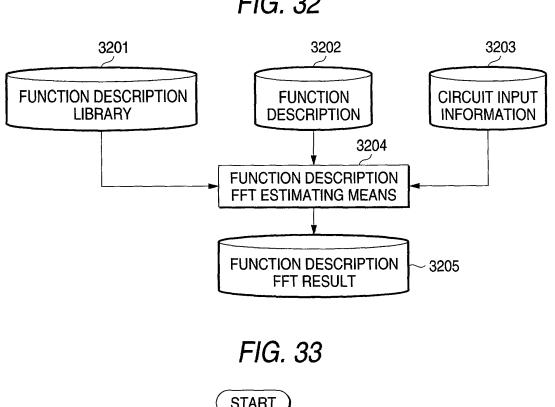


FIG. 32



START READ INPUT INFORMATION -3301 **GROUP FUNCTION DESCRIPTIONS INTO CLOCK** 3302 TREE MEMORY, FLIP-FLOP, INPUT/OUTPUT BUFFER ESTIMATE CIRCUIT SCALE, LOAD CAPACITY, WAVEFORM ROUNDING AND CIRCUIT INPUT INFORMATION FROM 3303 LIBRARY CORRESPONDING TO EACH GROUP COMPUTE AND SUM FFT RESULTS CORRESPONDING TO CIRCUIT SCALE, LOAD CAPACITY, 3503 WAVEFORM ROUNDING AND CIRCUIT INFORMATION FROM LIBRARY CORRESPONDING TO EACH CELL WRITE-OUT OUTPUT INFORMATION **END**

FIG. 34

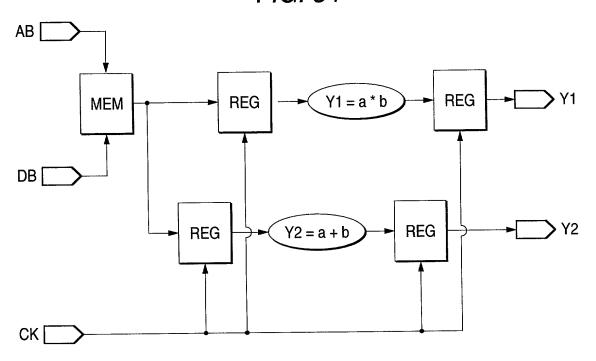


FIG. 35

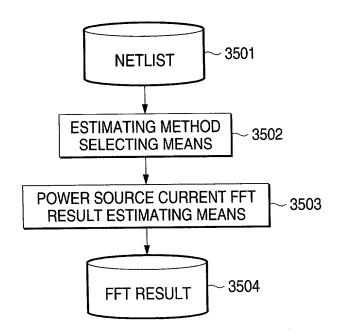


FIG. 36

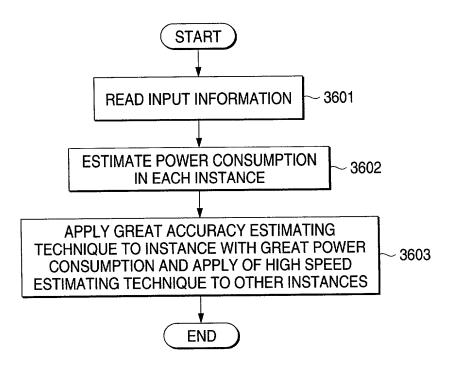
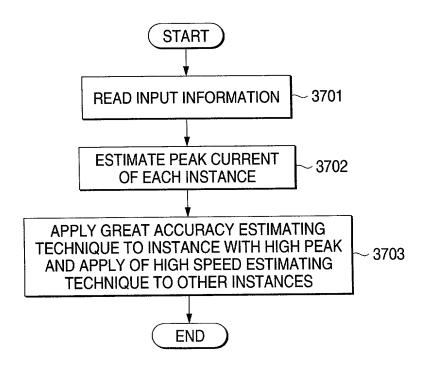
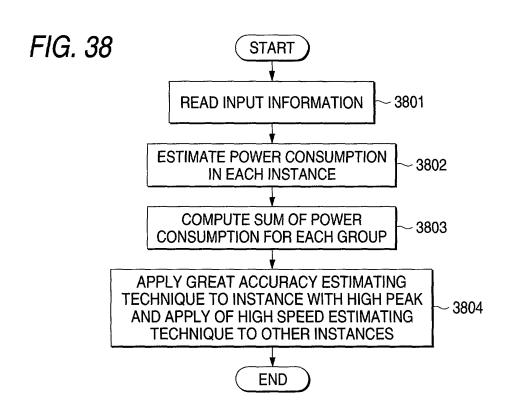


FIG. 37





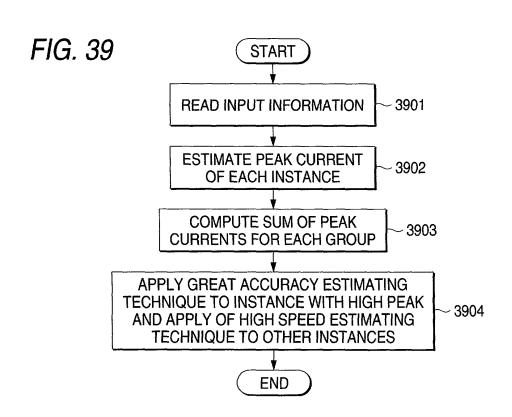


FIG. 40

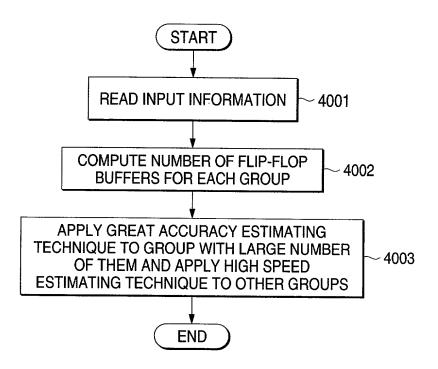


FIG. 41

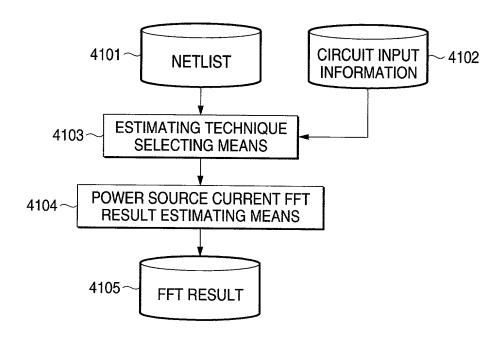


FIG. 42

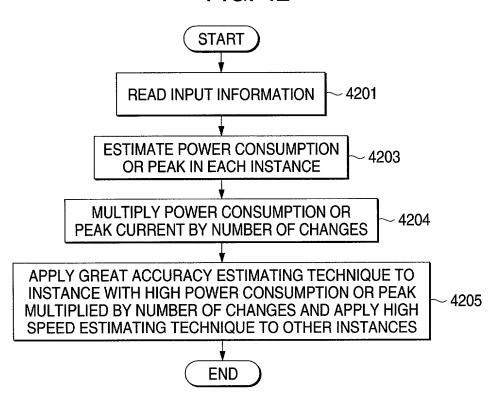


FIG. 43

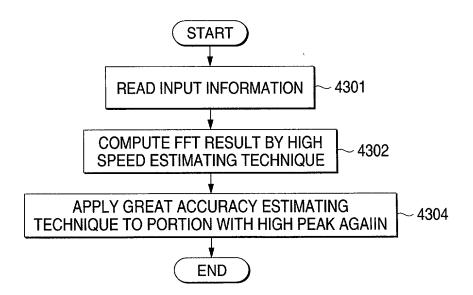


FIG. 44

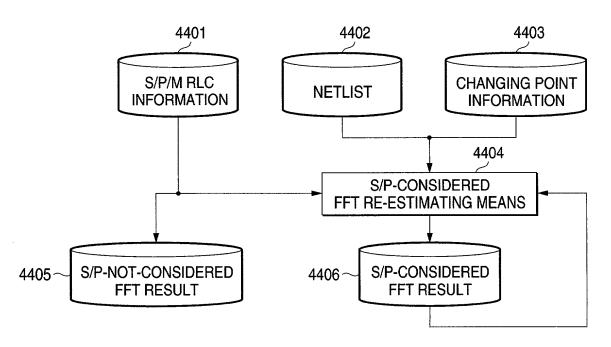
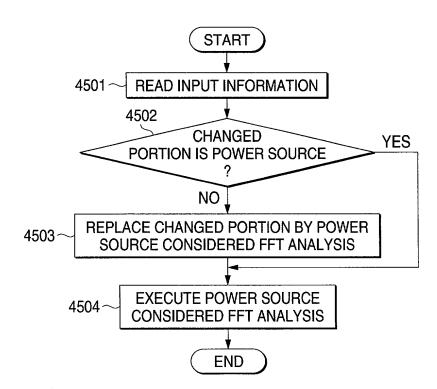


FIG. 45



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FIG. 46

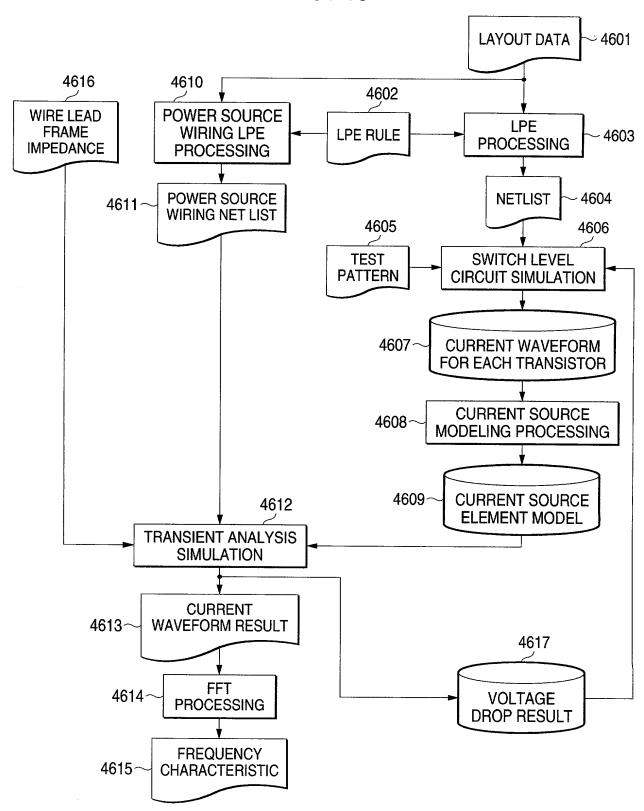


FIG. 47

